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| For the following device . . . | You must meet the following operating limit . . . | And you must demonstrate continuous compliance with the operating limit by . . . |
|---|--|--|
| | b. The temperature of the carbon bed, after completing each regeneration and any cooling cycle, must not exceed the carbon bed temperature limit established according to § 63.3967(c). | i. Measuring the temperature of the carbon bed after completing each regeneration and any cooling cycle according to § 63.3968(d); and ii. Operating the carbon beds such that each carbon bed is not returned to service until completing each regeneration and any cooling cycle until the recorded temperature of the carbon bed is at or below the temperature limit. |
| 4. Condenser | a. The average condenser outlet (product side) gas temperature in any 3-hour period must not exceed the temperature limit established according to § 63.3967(d). | i. Collecting the condenser outlet (product side) gas temperature according to § 63.3968(e); ii. Reducing the data to 3-hour block averages; and iii. Maintaining the 3-hour average gas temperature at the outlet at or below the temperature limit. |
| 5. Concentrators, including zeolite wheels and rotary carbon adsorbers. | a. The average gas temperature of the desorption concentrate stream in any 3-hour period must not fall below the limit established according to § 63.3967(e); and b. The average pressure drop of the dilute stream across the concentrator in any 3-hour period must not fall below the limit established according to § 63.3967(e). | i. Collecting the temperature data according to § 63.3968(f); ii. Reducing the data to 3-hour block averages; and iii. Maintaining the 3-hour average temperature at or above the temperature limit. i. Collecting the pressure drop data according to § 63.3968(f); ii. Reducing the pressure drop data to 3-hour block averages; and iii. Maintaining the 3-hour average pressure drop at or above the pressure drop limit. |
| 6. Emission capture system that is a PTE according to § 63.3965(a). | a. The direction of the air flow at all times must be into the enclosure; and either b. The average facial velocity of air through all natural draft openings in the enclosure must be at least 200 feet per minutes; or c. The pressure drop across the enclosure must be at least 0.007 inch H ₂ O, as established in Method 204 of appendix M to 40 CFR part 51. | i. Collecting the direction of air flow, and either the facial velocity of air through all natural draft openings according to § 63.3968(b)(1) or the pressure drop across the enclosure according to § 63.3968(g)(2); and ii. Maintaining the facial velocity of air flow through all natural draft openings or the pressure drop at or above the facial velocity limit or pressure drop limit, and maintaining the direction of air flow into the enclosure at all times. i. See items 6.a.i and 6.a.ii. |
| 7. Emission capture system that is not a PTE according to § 63.3965(a). | a. The average gas volumetric flow rate or duct static pressure in each duct between a capture device and add-on control device inlet in any 3-hour period must not fall below the average volumetric flow rate or duct static pressure limit established for that capture device according to § 63.3967(f). | i. See items 6.a.i and 6.a.ii. i. Collecting the gas volumetric flow rate or duct static pressure for each capture device according to § 63.3968(g); ii. Reducing the data to 3-hour block averages; and iii. Maintaining the 3-hour average gas volumetric flow rate or duct static pressure for each capture device at or above the gas volumetric flow rate or duct static pressure limited. |

TABLE 2 TO SUBPART MMMM OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART MMMM OF PART 63

You must comply with the applicable General Provisions requirements according to the following table:

| Citation | Subject | Applicable to subpart MMMM | Explanation |
|-------------------------|---|----------------------------|---|
| § 63.1(a)(1)–(14) | General Applicability | Yes. | Applicability to subpart MMMM is also specified in § 63.3881. |
| § 63.1(b)(1)–(3) | Initial Applicability Determination | Yes | |
| § 63.1(c)(1) | Applicability After Standard Established. | Yes. | Area sources are not subject to subpart MMMM. |
| § 63.1(c)(2)–(3) | Applicability of Permit Program for Area Sources. | No | |
| § 63.1(c)(4)–(5) | Extensions and Notifications | Yes. | |

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|-------------------------|---|----------------------------|--|
| § 63.1(e) | Applicability of Permit Program Before Relevant Standard is Set. | Yes. | |
| § 63.2 | Definitions | Yes | Additional definitions are specified in § 63.3981. |
| § 63.1(a)–(c) | Units and Abbreviations | Yes. | |
| § 63.4(a)(1)–(5) | Prohibited Activities | Yes. | |
| § 63.4(b)–(c) | Circumvention/Severability | Yes. | |
| § 63.5(a) | Construction/Reconstruction | Yes. | |
| § 63.5(b)(1)–(6) | Requirements for Existing Newly Constructed, and Reconstructed Sources. | Yes. | |
| § 63.5(d) | Application for Approval of Construction/Reconstruction. | Yes. | |
| § 63.5(e) | Approval of Construction/Reconstruction. | Yes. | |
| § 63.5(f) | Approval of Construction/Reconstruction Based on Prior State Review. | Yes. | |
| § 63.6(a) | Compliance With Standards and Maintenance Requirements—Applicability. | Yes. | |
| § 63.6(b)(1)–(7) | Compliance Dates for New and Reconstructed Sources. | Yes | Section 63.3883 specifies the compliance dates. |
| § 63.6(c)(1)–(5) | Compliance Dates for Existing Sources. | Yes | Section 63.3883 specifies the compliance dates. |
| § 63.6(e)(1)–(2) | Operation and Maintenance | Yes. | |
| § 63.6(e)(3) | Startup, Shutdown, and Malfunction Plan. | Yes | Only sources using an add-on control device to comply with the standard must complete startup, shutdown, and malfunction plans. |
| § 63.6(f)(1) | Compliance Except During Startup, Shutdown, and Malfunction. | Yes | Applies only to sources using an add-on control device to comply with the standard. |
| § 63.6(f)(2)–(3) | Methods for Determining Compliance.. | Yes. | |
| § 63.6(g)(1)–(3) | Use of an Alternative Standard .. | Yes. | |
| § 63.6(h) | Compliance With Opacity/Visible Emission Standards. | No | Subpart MMMM does not establish opacity standards and does not require continuous opacity monitoring systems (COMS). |
| § 63.6(i)(1)–(16) | Extension of Compliance | Yes. | |
| § 63.6(j) | Presidential Compliance Exemption. | Yes. | |
| § 63.7(a)(1) | Performance Test Requirements—Applicability. | Yes | Applies to all affected sources. Additional requirements for performance testing are specified in §§ 63.3964, 63.3965, and 63.3966. |
| § 63.7(a)(2) | Performance Test Requirements—Dates. | Yes | Applies only to performance tests for capture system and control device efficiency at sources using these to comply with the standard. Section 63.3960 specifies the schedule for performance test requirements that are earlier than those specified in § 63.7(a)(2). |
| § 63.7(a)(3) | Performance Tests Required By the Administrator. | Yes. | |
| § 63.7(b)–(e) | Performance Test Requirements—Notification, Quality Assurance, Facilities Necessary for Safe Testing, Conditions During Test. | Yes | Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standard. |
| § 63.7(f) | Performance Test Requirements—Use of Alternative Test Method. | Yes | Applies to all test methods except those used to determine capture system efficiency. |

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|------------------------|--|----------------------------|--|
| § 63.7(g)–(h) | Performance Test Requirements—Data Analysis, Recordkeeping, Reporting, Waiver of Test. | Yes | Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standard. |
| § 63.8(a)(1)–(3) | Monitoring Requirements—Applicability. | Yes | Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standard. Additional requirements for monitoring are specified in § 63.3968. |
| § 63.8(a)(4) | Additional Monitoring Requirements. | No | Subpart MMMM does not have monitoring requirements for flares. |
| § 63.8(b) | Conduct of Monitoring | Yes. | |
| § 63.8(c)(1)–(3) | Continuous Monitoring Systems (CMS) Operation and Maintenance. | Yes | Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standard. Additional requirements for CMS operations and maintenance are specified in § 63.3968. |
| § 63.8(c)(4) | CMS | No | § 63.3968 specifies the requirements for the operation of CMS for capture systems and add-on control devices at sources using these to comply. |
| § 63.8(c)(5) | COMS | No | Subpart MMMM does not have opacity or visible emission standards. |
| § 63.8(c)(6) | CMS Requirements | No | Section 63.3968 specifies the requirements for monitoring systems for capture systems and add-on control devices at sources using these to comply. |
| § 63.8(c)(7) | CMS Out-of-Control Periods | Yes. | |
| § 63.8(c)(8) | CMS Out-of-Control Periods and Reporting. | No | § 63.3920 requires reporting of CMS out-of-control periods. |
| § 63.8(d)–(e) | Quality Control Program and CMS Performance Evaluation. | No | Subpart MMMM does not require the use of continuous emissions monitoring systems. |
| § 63.8(f)(1)–(5) | Use of an Alternative Monitoring Method. | Yes. | |
| § 63.8(f)(6) | Alternative to Relative Accuracy Test. | No | Subpart MMMM does not require the use of continuous emissions monitoring systems. |
| § 63.8(g)(1)–(5) | Data Reduction | No | Sections 63.3967 and 63.3968 specify monitoring data reduction. |
| § 63.9(a)–(d) | Notification Requirements | Yes. | |
| § 63.9(e) | Notification of Performance Test | Yes | Applies only to capture system and add-on control device performance tests at sources using these to comply with the standard. |
| § 63.9(f) | Notification of Visible Emissions/Opacity Test. | No | Subpart MMMM does not have opacity or visible emissions standards. |
| § 63.9(g)(1)–(3) | Additional Notifications When Using CMS. | No | Subpart MMMM does not require the use of continuous emissions monitoring systems. |
| § 63.9(h) | Notification of Compliance Status. | Yes | Section 63.3910 specifies the dates for submitting the notification of compliance status. |
| § 63.9(i) | Adjustment of Submittal Deadlines. | Yes. | |
| § 63.9(j) | Change in Previous Information | Yes. | |

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|-------------------------------|---|----------------------------|--|
| § 63.10(a) | Recordkeeping/Reporting—Ap- plicability and General Infor- mation. | Yes. | |
| § 63.10(b)(1) | General Recordkeeping Re- quirements. | Yes | Additional requirements are specified in §§ 63.3930 and 63.3931. |
| § 63.10(b)(2) (i)–(v) | Recordkeeping Relevant to Startup, Shutdown, and Mal- function Periods and CMS. | Yes | Requirements for startup, shut- down, and malfunction records only apply to add-on control devices used to com- ply with the standard. |
| § 63.10(b)(2) (vi)–(xi) | | Yes. | |
| § 63.10(b)(2) (xii) | Records | Yes. | |
| § 63.10(b)(2) (xiii) | | No | Subpart MMMM does not re- quire the use of continuous emissions monitoring systems. |
| § 63.10(b)(2) (xiv) | | Yes. | |
| § 63.10(b)(3) | Recordkeeping Requirements for Applicability Determina- tions. | Yes. | |
| § 63.10(c) (1)–(6) | Additional Recordkeeping Re- quirements for Sources with CMS. | Yes. | |
| § 63.10(c) (7)–(8) | | No | The same records are required in § 63.3920(a)(7). |
| § 63.10(c) (9)–(15) | | Yes. | |
| § 63.10(d)(1) | General Reporting Require- ments. | Yes | Additional requirements are specified in § 63.3920. |
| § 63.10(d)(2) | Report of Performance Test Re- sults. | Yes | Additional requirements are specified in § 63.3920(b). |
| § 63.10(d)(3) | Reporting Opacity or Visible Emissions Observations. | No | Subpart MMMM does not re- quire opacity or visible emis- sions observations. |
| § 63.10(d)(4) | Progress Reports for Sources With Compliance Extensions. | Yes. | |
| § 63.10(d)(5) | Startup, Shutdown, and Malfunc- tion Reports. | Yes | Applies only to add-on control devices at sources using these to comply with the standard. |
| § 63.10(e) (1)–(2) | Additional CMS Reports | No | Subpart MMMM does not re- quire the use of continuous emissions monitoring systems. |
| § 63.10(e) (3) | Excess Emissions/CMS Per- formance Reports. | No | Section 63.3920 (b) specifies the contents of periodic com- pliance reports. |
| § 63.10(e) (4) | COMS Data Reports | No | Subpart MMMM does not specify requirements for opac- ity or COMS. |
| § 63.10(f) | Recordkeeping/Reporting Waiv- er. | Yes. | |
| § 63.11 | Control Device Requirements/ Flares. | No | Subpart MMMM does not speci- fy use of flares for compli- ance. |
| § 63.12 | State Authority and Delegations | Yes. | |
| § 63.13 | Addresses | Yes. | |
| § 63.14 | Incorporation by Reference | Yes. | |
| § 63.15 | Availability of Information/Con- fidentiality. | Yes. | |

TABLE 3 TO SUBPART MMMM OF PART 63—DEFAULT ORGANIC HAP MASS FRACTION FOR SOLVENTS AND SOLVENT BLENDS

You may use the mass fraction values in the following table for solvent blends for which you do not have test data or manufacturer's formulation data and which match either the solvent blend name or the chemical abstract series (CAS) number. If a solvent blend matches both the name and CAS number for an entry, that entry's organic HAP mass fraction must be used for that solvent blend. Otherwise, use the organic HAP mass fraction for the entry matching either the solvent blend name or CAS number, or use the organic HAP mass fraction from table 4 to this subpart if neither the name or CAS number match.